

# SAFETY DATA SHEET

# 1. Identification

| 1. Identification              |  |                             |  |  |
|--------------------------------|--|-----------------------------|--|--|
| Product identifier             | Heavy Duty Degreaser   |                             |  |  |
| Other means of identification  |  |                             |  |  |
| Product Code                   | No. 03095 (Item# 1003364)  |                             |  |  |
| Recommended use                | General purpose degreaser  |                             |  |  |
| Recommended restrictions       | None known.  |                             |  |  |
| Manufacturer/Importer/Supplier | /Distributor information   |                             |  |  |
| Manufactured or sold by:       |  |                             |  |  |
| Company name                   | CRC Industries, Inc.   |                             |  |  |
| Address                        | 885 Louis Dr.  |                             |  |  |
|                                | Warminster, PA 18974 US  |                             |  |  |
| Telephone                      |  |                             |  |  |
| General Information            | 215-674-4300   |                             |  |  |
| Technical Assistance           | 800-521-3168   |                             |  |  |
| Customer Service               | 800-272-4620   |                             |  |  |
| 24-Hour Emergency              | 800-424-9300 (US)  |                             |  |  |
| (CHEMTREC)                     | 703-527-3887 (International)   |                             |  |  |
| Website                        | www.crcindustries.com  |                             |  |  |
| 2. Hazard(s) identification    | 1  |                             |  |  |
|                                |  | 0                           |  |  |
| Physical hazards               | Gases under pressure   | Compressed gas              |  |  |
| Health hazards                 | Skin corrosion/irritation  | Category 2                  |  |  |
|                                | Serious eye damage/eye irritation  | Category 2B                 |  |  |
|                                | Sensitization, skin  | Category 1B                 |  |  |
|                                | Carcinogenicity  | Category 1B                 |  |  |
|                                | Specific target organ toxicity, single exposure  | Category 3 narcotic effects |  |  |
| Environmental hazards          | Hazardous to the aquatic environment, acute hazard   | Category 2                  |  |  |
|                                | Hazardous to the aquatic environment, long-term hazard   | Category 2                  |  |  |
| OSHA defined hazards           | Not classified.  |                             |  |  |
| Label elements                 |  |                             |  |  |
|                                |  |                             |  |  |
| Signal word                    | Danger   |                             |  |  |
| Hazard statement               | Contains gas under pressure; may explode if heated. Causes skin irritation. May cause an allergic skin reaction. Causes eye irritation. May cause drowsiness or dizziness. May cause cancer. Toxic to aquatic life with long lasting effects.  |                             |  |  |
| Precautionary statement        |  |                             |  |  |
| Prevention                     | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 49°C/120°F. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Avoid breathing mist or vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. Avoid release to the environment. |                             |  |  |

| Response                                     | If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. Collect spillage. |
|--|--|
| Storage                                      | Store locked up. Protect from sunlight. Store in a well-ventilated place. Exposure to high temperature may cause can to burst.   |
| Disposal                                     | Dispose of contents/container in accordance with local/regional/national regulations.  |
| Hazard(s) not otherwise<br>classified (HNOC) | None known.  |
| Supplemental information                     | When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride, hydrogen chloride, and possibly phosgene.  |

# 3. Composition/information on ingredients

**Mixtures** 

| Chemical name              | Common name and synonyms | CAS number  | %       |
|----------------------------|--------------------------|-------------|---------|
| tetrachloroethylene        | perchloroethylene        | 127-18-4    | 80 - 90 |
| trans-1,2-dichloroethylene |                          | 156-60-5    | 5 - 10  |
| carbon dioxide             |                          | 124-38-9    | 1 - 3   |
| decafluoropentane          | HFC 43-10mee             | 138495-42-8 | 1 - 3   |

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

| 4. First-aid measures  |  |
|--|--|
| Inhalation   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  |
| Skin contact   | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.  |
| Eye contact  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.   |
| Ingestion  | Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. Do not induce vomiting.  |
| Most important<br>symptoms/effects, acute and<br>delayed                     | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. |
| Indication of immediate<br>medical attention and special<br>treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.   |
| General information  | IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.   |

### 5. Fire-fighting measures

| Suitable extinguishing media                                     | Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).   |
|--|--|
| Unsuitable extinguishing media                                   | Do not use water jet as an extinguisher, as this will spread the fire.   |
| Specific hazards arising from the chemical                       | Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride, hydrogen chloride, and possibly phosgene. |
| Special protective equipment<br>and precautions for firefighters | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.   |
| Fire fighting<br>equipment/instructions                          | In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.  |
| General fire hazards   | Contents under pressure. Pressurized container may rupture when exposed to heat or flame.  |

#### 6. Accidental release measures

| 6. Accidental release mea   | Isules   |
|---|--|
| Personal precautions,<br>protective equipment and<br>emergency procedures | Keep unnecessary personnel away. Many gases are heavier than air and will spread along ground<br>and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective<br>equipment and clothing during clean-up. Avoid breathing mist or vapor. Emergency personnel<br>need self-contained breathing equipment. Do not touch or walk through spilled material. Ventilate<br>closed spaces before entering them. Local authorities should be advised if significant spillages<br>cannot be contained.   |
| Methods and materials for containment and cleaning up                     | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Put material in suitable, covered, labeled containers.  |
| Environmental precautions   | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.   |
| 7. Handling and storage   |  |
| Precautions for safe handling   | Obtain special instructions before use. Do not handle until all safety precautions have been read<br>and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray<br>button is missing or defective. Do not spray on a naked flame or any other incandescent material.<br>Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill,<br>grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around<br>energized equipment. The metal container will conduct electricity if it contacts a live source. This<br>may result in injury to the user from electrical shock and/or flash fire. Avoid breathing mist or<br>vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled<br>in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal<br>protective equipment. Avoid release to the environment. Observe good industrial hygiene<br>practices. For product usage instructions, see the product label. |
| Conditions for safe storage, including any incompatibilities              | Level 1 Aerosol.   |
|   | Contents under pressure. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place.   |

### 8. Exposure controls/personal protection

#### **Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                                   | Туре    | Value      |  |
|--|---------|------------|--|
| carbon dioxide (CAS<br>124-38-9)             | PEL     | 9000 mg/m3 |  |
|  |         | 5000 ppm   |  |
| trans-1,2-dichloroethylene<br>(CAS 156-60-5) | PEL     | 790 mg/m3  |  |
| . ,  |         | 200 ppm    |  |
| US. OSHA Table Z-2 (29 CFR 1910)             | .1000)  |            |  |
| Components                                   | Туре    | Value      |  |
| tetrachloroethylene (CAS<br>127-18-4)        | Ceiling | 200 ppm    |  |
| ,  | TWA     | 100 ppm    |  |
| US. ACGIH Threshold Limit Values             | 6       |            |  |
| Components                                   | Туре    | Value      |  |
| carbon dioxide (CAS<br>124-38-9)             | STEL    | 30000 ppm  |  |
| ,  | TWA     | 5000 ppm   |  |
| tetrachloroethylene (CAS 127-18-4)           | STEL    | 100 ppm    |  |
| ,  | TWA     | 25 ppm     |  |
| trans-1,2-dichloroethylene<br>(CAS 156-60-5) | TWA     | 200 ppm    |  |

## US. NIOSH: Pocket Guide to Chemical Hazards

| Components                                   | Туре | Value       |  |
|--|------|-------------|--|
| carbon dioxide (CAS<br>124-38-9)             | STEL | 54000 mg/m3 |  |
|  |      | 30000 ppm   |  |
|  | TWA  | 9000 mg/m3  |  |
|  |      | 5000 ppm    |  |
| trans-1,2-dichloroethylene<br>(CAS 156-60-5) | TWA  | 790 mg/m3   |  |
|  |      | 200 ppm     |  |

#### **Biological limit values**

### ACGIH Biological Exposure Indices

| Components                         | Value    | Determinant          | Specimen           | Sampling Time |  |
|------------------------------------|----------|----------------------|--------------------|---------------|--|
| tetrachloroethylene (CAS 127-18-4) | 0.5 mg/l | Tetrachloroethy lene | Blood              | *             |  |
|                                    | 3 ppm    | Tetrachloroethy lene | End-exhaled<br>air | *             |  |

\* - For sampling details, please see the source document.

#### **Exposure guidelines**

#### US - Minnesota Haz Subs: Skin designation applies

| tetrachloroethylene (CAS 127-18-4) | Skin designation applies. |
|------------------------------------|---------------------------|
|------------------------------------|---------------------------|

| Appropriate engineering | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates   |
|-------------------------|--|
| controls                | should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If |
|                         | exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash fountain and emergency showers are recommended.   |

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

| =) ••• p. •.••                    |  |
|-----------------------------------|--|
| Skin protection                   |  |
| Hand protection                   | Wear protective gloves such as: Polyvinyl alcohol (PVA). Viton/butyl.  |
| Other                             | Wear appropriate chemical resistant clothing.  |
| Respiratory protection            | If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.                                   |
| Thermal hazards                   | Wear appropriate thermal protective clothing, when necessary.  |
| General hygiene<br>considerations | Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. |

### 9. Physical and chemical properties

| Appearance                              |                              |
|---|------------------------------|
| Physical state                          | Liquid.                      |
| Form                                    | Aerosol.                     |
| Color                                   | Colorless.                   |
| Odor                                    | Solvent.                     |
| Odor threshold                          | Not available.               |
| рН                                      | Not available.               |
| Melting point/freezing point            | -119.2 °F (-84 °C) estimated |
| Initial boiling point and boiling range | 119.7 °F (48.7 °C) estimated |
| Flash point                             | None (Tag Closed Cup)        |
| Evaporation rate                        | Fast.                        |
| Flammability (solid, gas)               | Not available.               |

| Upper/lower flammability or explosive limits |                           |  |  |  |
|--|---------------------------|--|--|--|
| Flammability limit - lower<br>(%)            | 6.7 % estimated           |  |  |  |
| Flammability limit - upper<br>(%)            | 18 % estimated            |  |  |  |
| Vapor pressure                               | 1429.7 hPa estimated      |  |  |  |
| Vapor density                                | > 4 (air = 1)             |  |  |  |
| Relative density                             | 1.58                      |  |  |  |
| Solubility(ies)                              |                           |  |  |  |
| Solubility (water)                           | Slight.                   |  |  |  |
| Partition coefficient<br>(n-octanol/water)   | Not available.            |  |  |  |
| Auto-ignition temperature                    | 860 °F (460 °C) estimated |  |  |  |
| Decomposition temperature                    | Not available.            |  |  |  |
| Percent volatile                             | 97.6 % estimated          |  |  |  |
| 10. Stability and reactivity                 | y                         |  |  |  |

| Reactivity                            | The product is stable and non-reactive under normal conditions of use, storage and transport.   |  |
|---------------------------------------|---|--|
| Chemical stability                    | Material is stable under normal conditions.   |  |
| Possibility of hazardous<br>reactions | No dangerous reaction known under conditions of normal use.   |  |
| Conditions to avoid                   | Heat, flames and sparks. Contact with incompatible materials. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride, hydrogen chloride, and possibly phosgene. |  |
| Incompatible materials                | Strong oxidizing agents.  |  |
| Hazardous decomposition<br>products   | Hydrogen chloride. Hydrogen fluoride. Phosgene. Carbon oxides.  |  |

# 11. Toxicological information

# Information on likely routes of exposure

| Inhalation   | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.   |
|--|--|
| Skin contact   | Causes skin irritation. May cause an allergic skin reaction.   |
| Eye contact  | Causes eye irritation.   |
| Ingestion  | Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.   |
| Symptoms related to the physical, chemical and toxicological characteristics | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. |

#### Information on toxicological effects

| Acute toxicity           | Not known.   |                                 |
|--------------------------|--------------|---------------------------------|
| Components               | Species      | Test Results                    |
| decafluoropentane (CAS   | 138495-42-8) |                                 |
| <u>Acute</u>             |              |                                 |
| Dermal                   |              |                                 |
| LD50                     | Rabbit       | > 5000 mg/kg                    |
| Inhalation               |              |                                 |
| LC50                     | Rat          | 11058 mg/kg, 4 hours calculated |
| Oral                     |              |                                 |
| LD50                     | Rat          | > 5000 mg/kg                    |
| tetrachloroethylene (CAS | 5 127-18-4)  |                                 |
| Acute                    |              |                                 |
| Dermal                   |              |                                 |
| LD50                     | Rabbit       | > 3228 mg/kg                    |
| Dermal                   | Rabbit       | > 3228 mg/kg                    |

| Components   | Species  | Test Results   |  |
|--|--|--|--|
| Oral   |  |  |  |
| LD50   | Rat  | 2629 mg/kg   |  |
| trans-1,2-dichloroethylene (CAS 1                      | 56-60-5)   |  |  |
| Acute  |  |  |  |
| Oral   |  |  |  |
| LD50   | Rat  | 1235 mg/kg   |  |
| * Estimates for product may b                          | be based on additional comp  | nent data not shown.   |  |
| Skin corrosion/irritation                              | Causes skin irritation.  |  |  |
| Serious eye damage/eye irritation                      | Causes eye irritation.   |  |  |
| Respiratory or skin sensitizatio                       | n  |  |  |
| <b>Respiratory sensitization</b>                       | Not a respiratory sensitize  | :  |  |
| Skin sensitization                                     | May cause an allergic skin reaction.   |  |  |
| Germ cell mutagenicity                                 | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |  |  |
| Carcinogenicity  | May cause cancer.  |  |  |
| IARC Monographs. Overall                               | Evaluation of Carcinogeni  | ity  |  |
| tetrachloroethylene (CAS<br>OSHA Specifically Regulate |  | 2A Probably carcinogenic to humans.<br>0.1001-1052)                  |  |
| Not regulated.<br>US. National Toxicology Pr           | ogram (NTP) Report on Ca   | cinogens   |  |
| tetrachloroethylene (CAS                               | 6 127-18-4)  | Reasonably Anticipated to be a Human Carcinogen.                     |  |
| Reproductive toxicity                                  | This product is not expect   | d to cause reproductive or developmental effects.                    |  |
| Specific target organ toxicity - single exposure       | May cause drowsiness and dizziness.  |  |  |
| Specific target organ toxicity - repeated exposure     | Not classified.  |  |  |
| Aspiration hazard                                      | Based on available data,   | ne classification criteria are not met. May be an aspiration hazard. |  |
| Chronic effects  | Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.                               |  |  |

# 12. Ecological information

| cotoxicity Toxic to aqua<br>Components |                    | quatic life with long lasting effects.              |                            |
|--|--------------------|---|----------------------------|
|  |                    | Species   | Test Results               |
| decafluoropentane (C                   | AS 138495-42-8)    |   |                            |
| Aquatic                                |                    |   |                            |
| Acute                                  |                    |   |                            |
| Crustacea                              | EC50               | Water flea (Daphnia magna)                          | 11.7 mg/l, 48 hours        |
| Fish                                   | LC50               | Zebra danio (Danio rerio)                           | 13 mg/l, 96 hours          |
| tetrachloroethylene (C                 | AS 127-18-4)       |   |                            |
| Aquatic                                |                    |   |                            |
| Fish                                   | LC50               | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 4.73 - 5.27 mg/l, 96 hours |
| trans-1,2-dichloroethy                 | lene (CAS 156-60-5 | 5)  |                            |
| Aquatic                                |                    |   |                            |
| Fish                                   | LC50               | Bluegill (Lepomis macrochirus)                      | 120 - 160 mg/l, 96 hours   |
| Acute                                  |                    |   |                            |
| Crustacea                              | EC50               | Water flea (Daphnia magna)                          | 220 mg/l, 48 hours         |

Persistence and degradabilityNo data is available on the degradability of this product.Bioaccumulative potentialNo data available.

| Partition coefficient n-octa | nol / water (log Kow)  |  |  |
|------------------------------|--|--|--|
| decafluoropentane            | 2.7, Pow at 20 °C  |  |  |
| tetrachloroethylene          | 2.88   |  |  |
| trans-1,2-dichloroethylene   | 2.06   |  |  |
| Mobility in soil             | No data available.   |  |  |
| Other adverse effects        | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.  |  |  |
| 13. Disposal consideration   | ons  |  |  |
| Disposal instructions        | This material and its container must be disposed of as hazardous waste. Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations. |  |  |
| Hazardous waste code         | D039: Waste Tetrachloroethylene<br>F001: Waste Halogenated Solvent - Spent Halogenated Solvent Used in Degreasing<br>F002: Waste Halogenated Solvent - Spent Halogenated Solvent   |  |  |
| Contaminated packaging       | Since emptied containers may retain product residue, follow label warnings even after container is<br>emptied. Empty containers should be taken to an approved waste handling site for recycling or<br>disposal.   |  |  |

# 14. Transport information

| _ |   | _ |
|---|---|---|
| n | n | т |
| υ | v |   |

| DO  | т                            |   |
|-----|------------------------------|---|
|     | UN number                    | UN1950  |
|     | UN proper shipping name      | Aerosols, poison, Limited Quantity  |
|     | Transport hazard class(es)   |   |
|     | Class                        | 2.2   |
|     | Subsidiary risk              | 6.1(PGIII)  |
|     | Label(s)                     | 2.2, 6.1  |
|     | Packing group                | Not applicable.   |
|     | Special precautions for user | Read safety instructions, SDS and emergency procedures before handling.           |
|     | Packaging exceptions         | 306   |
|     | Packaging non bulk           | None  |
|     | Packaging bulk               | None  |
| IAT | Α                            |   |
|     | UN number                    | UN1950  |
|     | UN proper shipping name      | Aerosols, non-flammable, containing substances in Division 6.1, Packing Group III |
|     | Transport hazard class(es)   |   |
|     | Class                        | 2.2   |
|     | Subsidiary risk              | 6.1   |
|     | Packing group                | Not applicable.   |
|     | ERG Code                     | 2P  |
|     |                              | Read safety instructions, SDS and emergency procedures before handling.           |
|     | Other information            |   |
|     | Passenger and cargo          | Allowed with restrictions.  |
|     | aircraft                     |   |
|     | Cargo aircraft only          | Allowed with restrictions.  |
| IME | -                            |   |
|     | UN number                    | UN1950  |
|     | UN proper shipping name      | AEROSOLS  |
|     | Transport hazard class(es)   |   |
|     | Class                        | 2   |
|     | Subsidiary risk              | 6.1   |
|     | Packing group                | Not applicable.   |
|     | Environmental hazards        |   |
|     | Marine pollutant             | No.   |
|     | EmS                          | Not available.  |
|     | Special precautions for user | Read safety instructions, SDS and emergency procedures before handling.           |
|     |                              |   |

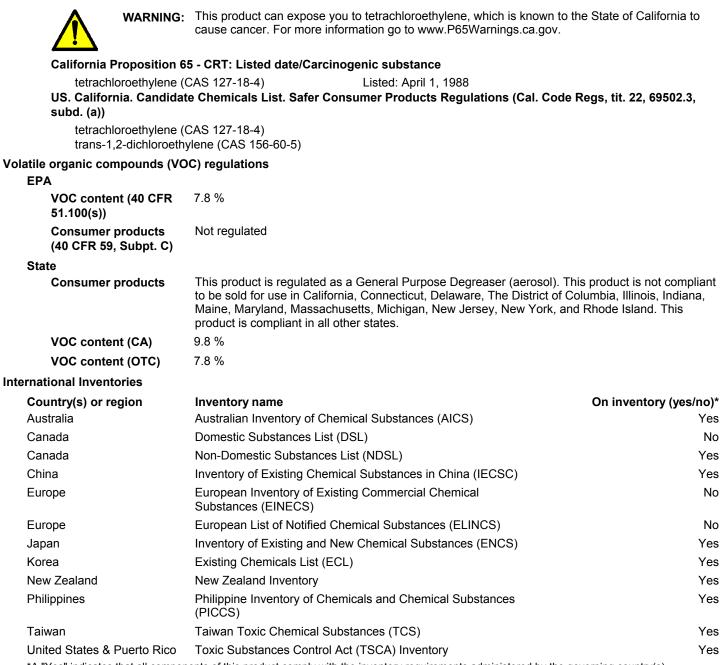
# 15. Regulatory information

| JS federal regulations All components are on the U.S. EPA TSCA Inventory List.<br>This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication<br>Standard, 29 CFR 1910.1200. |  |  |  |  |
|---|--|--|--|--|
| TSCA Section 12(b) Export   | Notification (40 CFR 707, S  | Subpt. D)                                |  |  |
| decafluoropentane (CAS<br>SARA 304 Emergency relea  |  | 1.0 % One-Time I                         | Export Notification only.                              |  |
| Not regulated.  |  |  |  |  |
| OSHA Specifically Regulate  | ed Substances (29 CFR 19 <sup>4</sup>  | 10.1001-1052)                            |  |  |
| Not regulated.<br>US EPCRA (SARA Title III) \$  | Section 313 - Toxic Chemic   | al: Listed substance                     |  |  |
| tetrachloroethylene (CAS  |  |  |  |  |
| CERCLA Hazardous Substa   | ,  |  |  |  |
| tetrachloroethylene (CAS  | 5 127-18-4)  | Listed.                                  |  |  |
| trans-1,2-dichloroethylen   |  | Listed.                                  |  |  |
| CERCLA Hazardous Substa   | • • •  | ,  |  |  |
| tetrachloroethylene (CAS trans-1,2-dichloroethylen  | e (CAS 156-60-5)   | 100 LBS<br>1000 LBS                      |  |  |
|   | g in the loss of any ingredie<br>24-8802) and to your Local  |  | quire immediate notification to the National ommittee. |  |
| Other federal regulations   |  |  |  |  |
| Clean Air Act (CAA) Sectior   | n 112 Hazardous Air Pollut   | ants (HAPs) List                         |  |  |
| tetrachloroethylene (CAS<br>Clean Air Act (CAA) Sectior   |  | e Prevention (40 CFR 6                   | 68.130)  |  |
| Not regulated.  |  |  |  |  |
| Safe Drinking Water Act<br>(SDWA)   | Not regulated.   |  |  |  |
| Food and Drug<br>Administration (FDA)   | Not regulated.   |  |  |  |
| Superfund Amendments and Re<br>Classified hazard<br>categories  | eauthorization Act of 1986<br>Gas under pressure<br>Acute toxicity (any route of<br>Skin corrosion or irritation<br>Serious eye damage or ey<br>Respiratory or skin sensit<br>Carcinogenicity<br>Specific target organ toxic | of exposure)<br>ye irritation<br>ization | avnosure)  |  |
| SARA 302 Extremely hazard<br>Not listed.  |  |  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                 |  |
| SARA 311/312 Hazardous  | Yes  |  |  |  |
| chemical  | 165  |  |  |  |
| SARA 313 (TRI reporting)  |  |  | <b>.</b>   |  |
| Chemical name   |  | CAS number                               | % by wt.   |  |
| tetrachloroethylene   |  | 127-18-4                                 | 80 - 90  |  |
| US state regulations  |  |  |  |  |
| US. New Jersey Worker and   | I Community Right-to-Kno   | w Act                                    |  |  |
| carbon dioxide (CAS 124<br>tetrachloroethylene (CAS<br>trans-1,2-dichloroethylen<br>US. Massachusetts RTK - S   | 5 127-18-4)<br>e (CAS 156-60-5)  |  |  |  |
| carbon dioxide (CAS 124<br>tetrachloroethylene (CAS<br>trans-1,2-dichloroethylen<br><b>US. Pennsylvania Worker a</b>  | 5 127-18-4)<br>e (CAS 156-60-5)  | now Law                                  |  |  |
| carbon dioxide (CAS 124   |  | -  |  |  |
| tetrachloroethylene (CAS<br>trans-1,2-dichloroethylen   | 5 127-18-4)  |  |  |  |
|   |  |  |  |  |

#### US. Rhode Island RTK

carbon dioxide (CAS 124-38-9) tetrachloroethylene (CAS 127-18-4) trans-1,2-dichloroethylene (CAS 156-60-5)

#### **California Proposition 65**



\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### 16. Other information, including date of preparation or last revision

| Issue date          | 05-19-2014         |
|---------------------|--------------------|
| Revision date       | 12-19-2017         |
| Prepared by         | Allison Yoon       |
| Version #           | 03                 |
| Further information | CRC # 894A/1002879 |

| HMIS <sup>®</sup> ratings | Health: 2*<br>Flammability: 1<br>Physical hazard: 0<br>Personal protection: B   |
|---------------------------|---|
| NFPA ratings              | Health: 2<br>Flammability: 1<br>Instability: 0  |
| NFPA ratings              |   |
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| Revision information      | This document has undergone significant changes and should be reviewed in its entirety.   |